

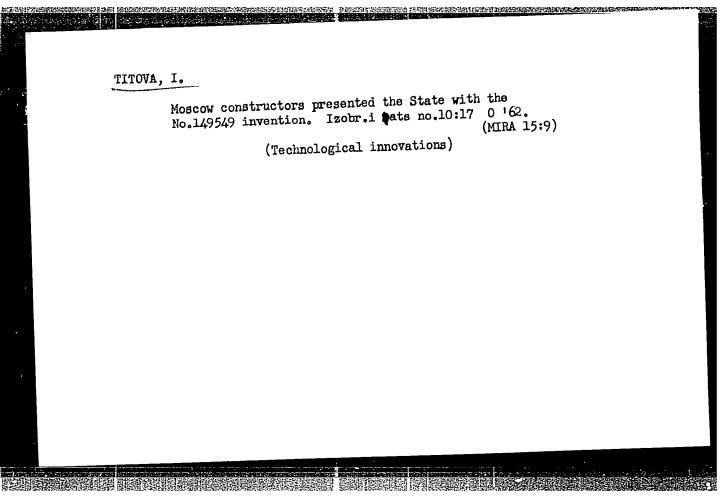
TITOVA, I. (Podol'sk)

Flow of suggestions. Izobr. i rats. no.7:1-2 J1 '62. (MIRA 16'3)

1. Spetsial'nyy korrespondent zhurnala "Izobretatel' i ratsionalizator".

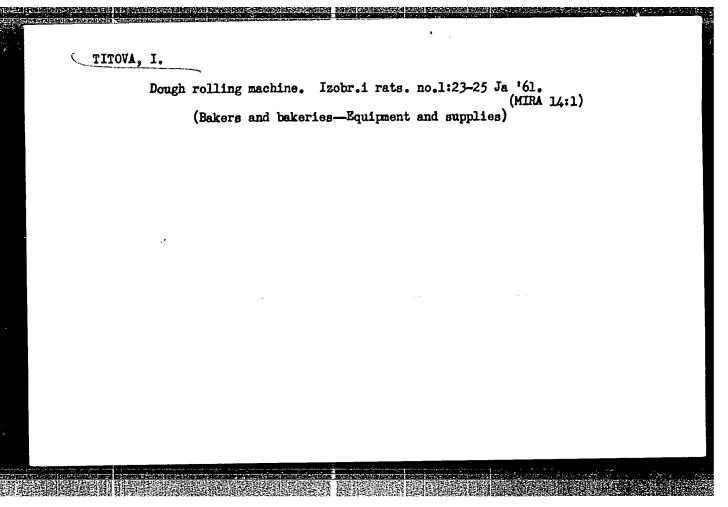
(Podol'sk—Machinery industry)

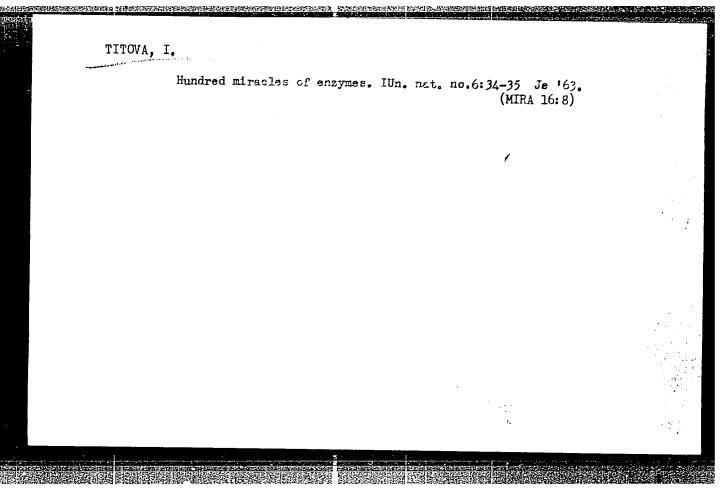
| TITOVA, | Innovations by women. Izobr.i rats. no.11:20-21 N '62. (MIRA 15:12) 1. Spetsial'nyy korrespondent zhurnala "Izobretatel' i ratsionalizator". (Women as inventors) |
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| AVOILT. | I. |
| | Innovators, get your money in the disbursement office of the factory. Izobr.i rats. no.5:17-18 My '62. (MIRA 15:5) |
| | 1. Spetsial nyy korrespondent zhurnala "Izobretatel" i ratsionalizator", g. Makeyevka. (Makeyevka. Iron and steel plants-Technological innovations) |
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| Accidental passer-by. Izobr. | 1 rats. no.8:25-26 Ag '62. | | |
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| ratsionalizator". | (Inventions) | | |
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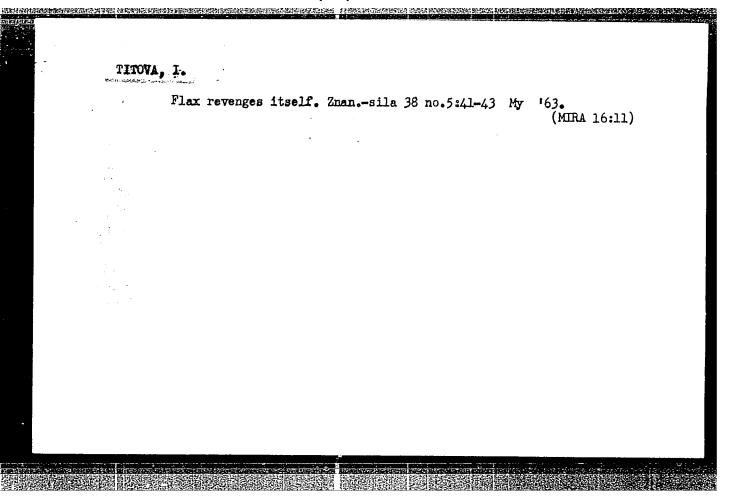


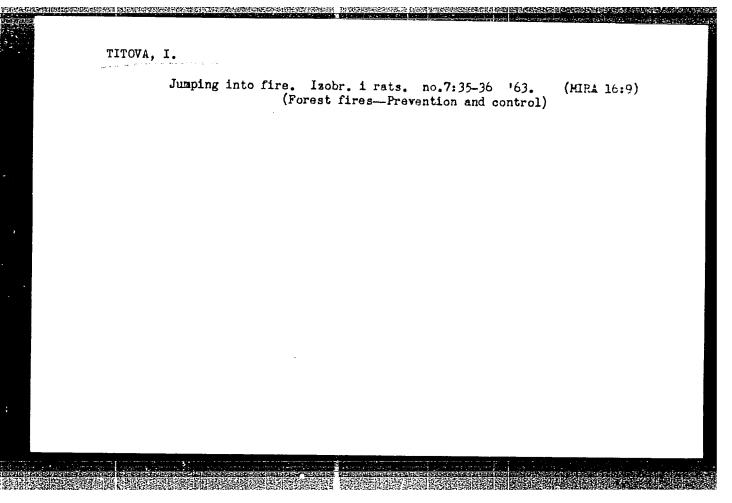


TITOVA, I.

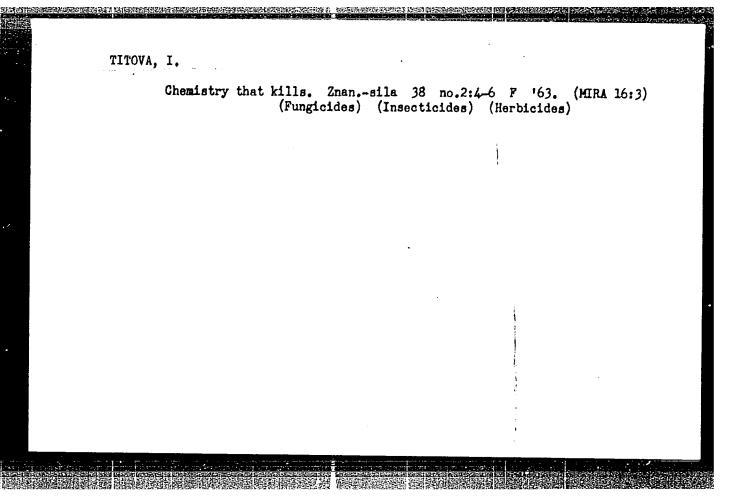
By the method of movable shields. Izobr. i rats. no.12:26-27 '63. (MIRA 17:2)

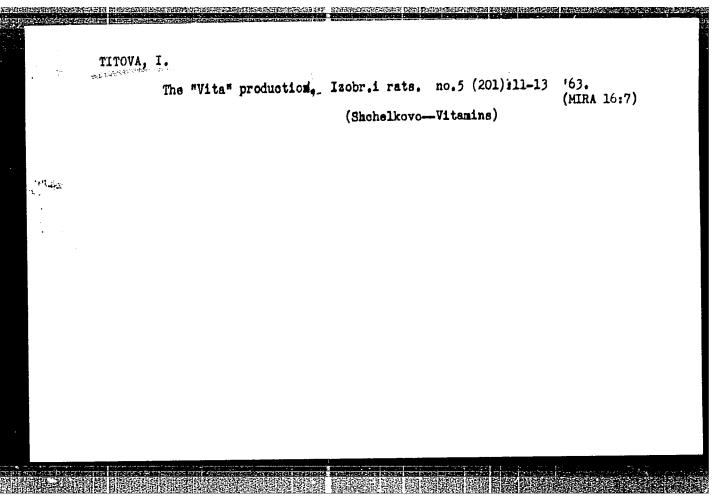
1. Korrespondent zhurnala "Izobretatel' i ratsionalizator".





| Preservat 30-32 16 | cion method has been | ^k canned, ^k Izobr. i (| rats, no.4: MIRA 16:7) |
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TITOVA, I.A.; BEL'SKAYA, M.G.

Internal standard method of determination of 7-aminoenanthic acid in 9-aminopelargonic acid in the infrared. Zhur. anal. khim. 20 no. 11:1235-1238 '65 (MIRA 19:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza, Moskva. Submitted November 25, 1964.

PARTICIPATE OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE PARTY

TITOVA I AA: VOLODARSKAYA, Yu.I.

Quantitative determination of a cis-isomer in a mixture of cisand trans-\$-(4-aminocyclohexyl) propionic acids by infrared spectroscopy. Zhur. anal. khim. 21 no. 1:119-121 766 (MIRI 19:1)

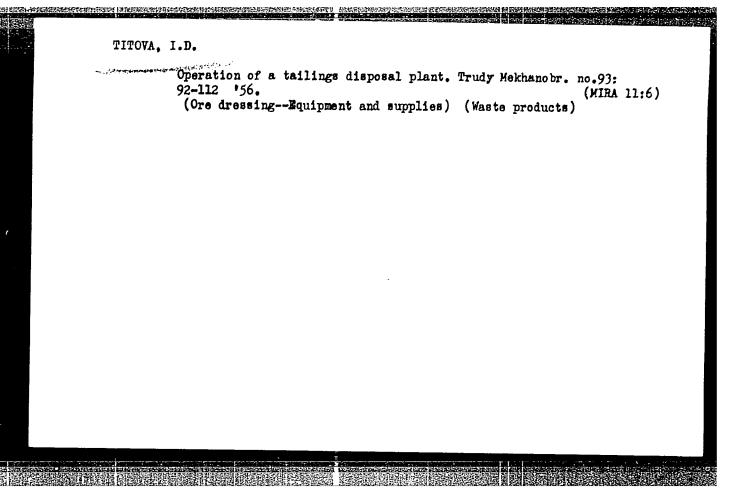
1. Gosudarstvennyy nauchno-issledovatel skiy i proyektnyy institut azotnoy promyshlennosti i produktav erganicheskogo sinteza, Moskva.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

KONDAKOV, V.V.[deceased]; RYZHONKOV, D.I.; TITOVA, I.A.

Reduction of molten cuprous oxide by solid carbon. Izv. vys. uchazav.; chern. met. 5 no.9:26-30 '62. (MIRA 15:10)

1. Moskovskiy institut stali i splavov. (Copper oxide)



CIA-RDP86-00513R001755910010-2 "APPROVED FOR RELEASE: 07/16/2001

Titova, I.D.

137-1958-3-4514

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 3, p 5 (USSR)

Mel'nikov, T. I., Titova, I. D. AUTHORS:

TITLE:

The Employment of the Hydraulic Conveyor Installation of the Magnitogorsk Concentrating Plants (Opyt ekspluatatsii

gidrotransportnoy ustanovki magnitogorskikh rudoobogatitel'nykh

fabrik)

Sb. nauchn. tr. Magnitogorskiy gorno-metallurg. in-t, 1957, PERIODICAL:

Nr 12, pp 168-187

Description of the hydraulic conveyor installation, the ABSTRACT:

physicochemical properties of solid pulp constituent, the equipment of the pulp lines and of the pulp pumping station, the nature of the pulp's motion, operational experience with the pulp lines, and the regulating and measuring equipment of the station. When a suction dredge with an output of 3600 m3/hr is employed, the 40 m³ pulp storage tank, as well as the electric motors, rated at 750 kw (for pump dredges of 1100 mm in diameter), and 900 kw (for a diameter of 1250 mm), recommended by the M. I. Kalinin

plant, are evidently inadequate. At a pulp flow of 3600 m³/hr, a pulp line 800 mm in diameter carries a constant layer of sludge

Card 1/2

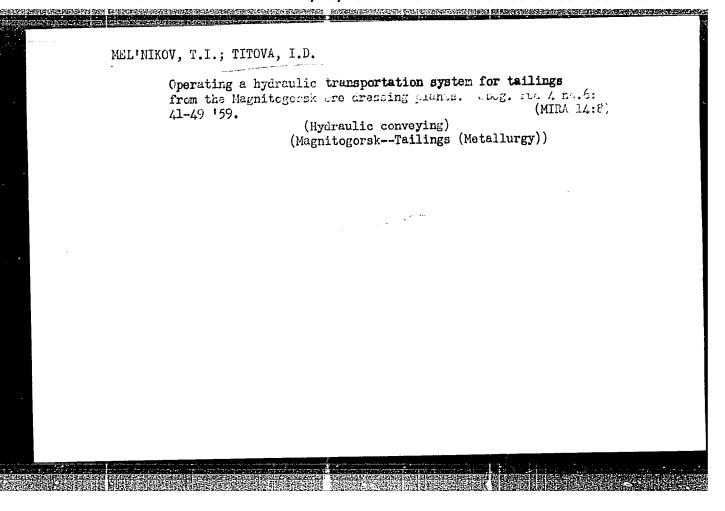
137-1958-3-4514

The Employment of the Hydraulic Conveyor Installation (cont.)

only 300 mm deep throughout the line, which points to the irrational utilization of the available cross sectional area of the pipe line. In order to improve the wear resistance, components of the suction dredges should be coated with rubber or with abrasive materials.

A. Sh.

Card 2/2



CZECHOSLOVAKIA / General Problems of Pathology. Immunity. U-1

Abs Jour : Ref Zhur - Biol., No 17, 1958, No 80194

: Vyazov, O. E.; Konyukhov, B. V.; Averkina, R. F.; Titova, I. Author

: Not given Inst

: Immunological Studies in Embryonic Development. I. Antigenic Title

Properties of Embryonic Tissues.

Orig Pub : Folia biol. (Ceskosl.), 1958, 4, No. 1, 1-10.

Abstract : No abstract.

Card 1/1

TITOVA, I.I.

Studying the antigenic properties of the crystalline lens in wollfien regeneration [with summary in English]. Biul.eksp.biol. (MIRA 10:10) i med. 43 no.6:7-74 Je '57.

1. Iz laboratorii immunologii embriogeneza (zav. - kand.med.nauk O.Ye. Vyazov) Instituta eksperimental noy biclogii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel nym chlenom AMN SSSR prof. N.H. Zhukovym-Verezhnikovym.

(CRYSTALLINE LENS, diseases, wollfian degen., antigenic aspects (Rus))

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

TITOVA, I.I.

Studies on the mechanism of organ growth during the embryogenesis. Report No.1: Effect of transplanted pieces of adult and embryonic chicken spleons on the spleon of the recapiont embryo. Biul. eksp. biol. med. 51 no.4:107-110 Ap '61, (MIRA 14:8)

1. Iz laboratorii immunologii embriogeneza (zav. kandidat meditsinskikh nauk 0.Ye.Vyazov) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.

(SPIEEN)

TITOVA, I.I.; GORT, Ya.

Studies on the mechanism of the regulation of embryonic organ growth. Report No.2: Effect of grafts on spleen tissues from chick embryos enlarged by the effect of adult spleens on the growth of organs in normal chick embryos. Biul. eksp. biol. i med. 51 no.5:99-101 My '61. (MIM 14:8)

1. Iz laboratorii immunologii embriogeneza (zav. - kand.med.nauk 0, Ye.Vyazov) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR, N.N.Zhukovym-Verezhnikovym.

(SPLEEN)

VYAZOV, O.Ye.; VOLKOVA, L.S.; TITOVA, I.I.; MURASHOVA, A.I.

Humoral relations between the bodies of the mother and the fetus in their clinical and experimental aspects. Vest.AMN SSSR 17 no.11:23-31 62. (MIRA 16:1)

1. Institut eksperimental'noy biologii AMN SSSR i Institut akusherstva i ginekologii Ministerstva zdravookhraneniya RSFSR. (FETUS) (PREGNANCY) (NEUROCHEMISTRY)

VYAZOV, O.Ye.; MOL'KOVA, A.I.; KONYUKHOV, B.V.; LISHTVAN, L.L.; TITOVA, I.I.; VOLKOVA, L.S.

Conducting immunobiological research on invertebrates at the White Sea Biological Station. Trudy Belomor.biol.sta.MGU 1:262-280 '62. (MIRA 16:1)

1. Laboratoriya immunologii embriogeneza Instituta eksperimentelinoy biologii AMN SSSR.

(White Sea--Invertebrates) (Immunology)

NAMES OF THE PROPERTY OF PARTY OF THE PROPERTY OF THE PROPERTY

TITOVA, I.I.

Studies on the regulation mechanism of organ growth in embryogenesis. Report No.3: Effect of myocardial tissue grafts from adult hens and chick embryos on the myocardium of recipient embryos. Biul. eksp. biol. i med. 52 no.12:85-88 D '61. (MIRA 14:12)

1. Iz laboratorii immunologii embriogeneza (zav. - kand.med.nauk 0.Ye.Vyazov) Instituta eksperimental'noy biologii (dir. - prof. I.N.Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR N.N.Zhukovym-Verezhnikovym.

(HEART--MUSCLE) (TISSUES--TRANSPLANTATION)

(EMBRYOLOGY--BIRDS)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

VE. (V, t.Yo., kand.med.mette: 1-TOYA, 1.I., nauchnyy sotrudnik

Is it possible to control the divelopment of Victor and Hauth i shigh 20 no.6:71-73 Je 161. (CITA E/:7)

1. Zevedro dieligilis or teripay in unclo it embriogenese in that the constraint they bloke if Amdenia meditainshikh near soul (for Vytov). (EMBRYOLOGY)

VYAZOV, G.Te.; KONYVAHOV, B.V.; AVERKINA, R.F.; TITOVA, I.I.

Use of immunological methods for studying the problems of tiesue evolution. Fav. AN SSSR Ser. biol. 30 no.1:108-113 Ja-F '65.

(MINA 18:2)

1. Institute of Experimental Biology, Academy of Medical Sciences of the U.S.S.R., Moscow.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

TITOVA, I.I.

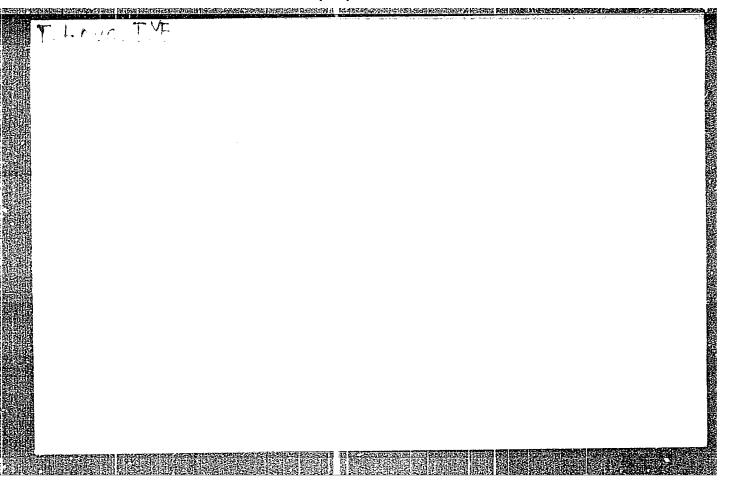
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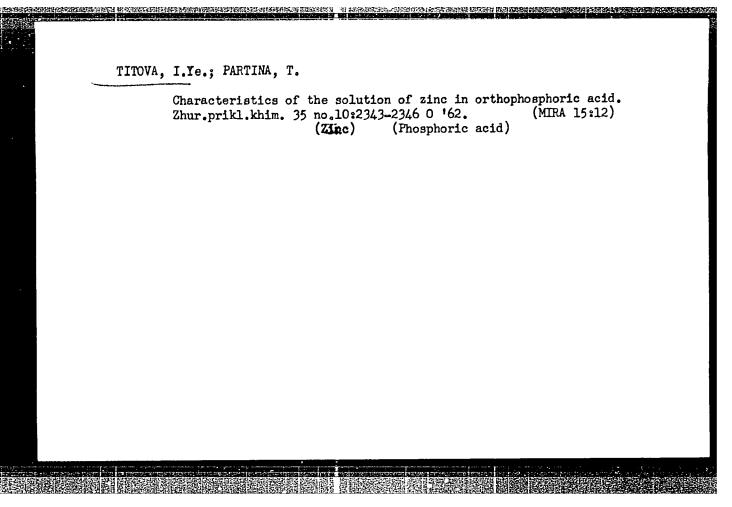
Study of the mechanism of the growth regulation of organs during embryogenesis. Report No.4: The action of lienal cell tissue passing through membrane filters on the growth of the organs of chicken embryos. Biul. eksp. biol. i med. 54 no.12:100-102 D'62. (MIRA 16:6)

1. Iz laboratorii immunologii embriogeneza (zav. kand. med. nauk 0. Ye. Vyazov) Instituta eksperimental noy biologii (dir. - prof. I.N. Mayskiy) AMN SSSR, Moskva. Predstavlena deystvitel nym chlenom AMN SSSR N.N. Zhukovym-Verezhnikovym. (GROWTH) (EMERYOLOGY—BIRDS)

(TISSUE EXTRACTS)

| ACC NRI AP6015 | 715 (N) | SOURCE CODE: | UR/0413/66/00 | 0/009/0135/0135 |
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| INVENTOR: _Titove | aj TvoYe. | | | 29 |
| ORG: none | about to consider the local state of the local stat | | Ç -* | |
| TITLE: A method of University im. A. | of <u>titanium</u> pickling. . M. Gor'kly (Ural'ski | Class 48, No. 18] y gosudarstvennyy | 475 [announced Universitet)] | by Ural State |
| SOURCE: Izobrete | eniya, promyshlennyye | obraztsy, tovarny | ve znaki, no. 9 | , 1966, 135 |
| MODIC TACE. 114 | ordem telepodem adaleld | ing, titanium pickl | ling solution | • |
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| ABSTRACT: This A solution of hydro process and incre tetrachloride in | Author Certificate intochloric acid contains ease the service life the amount 4.35 g/l a | roduces a method of the pickling so the pickling so the so | of pickling tite. In order to plution, ions of plution. | stabilize the |
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L 1611-66 EMT(m)/T/EMP(t)/EMP(b)/EMA(c) IJP(c) JD

ACCESSION NR: AP5021665

UR/0080/65/038/008/1736/1740

AUTHOR: Titova, I. Ye.; Lipatnikova, V.

TITLE: Study of some factors affecting the properties of a hydrochloric acid solution used for etching titanium alloys

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 8, 1965, 1736-1740

TOPIC TAGS: titanium alloy, nonaqueous solution, hydrochloric acid, sodium compound, fluoride, metal etching

ABSTRACT: For etching low titanium alloys, a solution containing 6 wt% hydrochloric acid and 5 wt% sodium fluoride is generally used. The object of the present work is to explain the reason for the rapid loss of activity of this solution and to point the way to its more rational use. Tests were carried out by the weight method on oxidized titanium samples previously heated in a furnace for 30 min at 540 C. It was established that an etching solution containing 21.3 gram/liter of titanium lost its activity in 60 hours, while the rate of solution of titanium

Card 1/2

L 1611-66

ACCESSION NR: AP5021665

in the solution fell by approximately 1000 times. For a solution containing 13-19 gram/liter, loss of activity was observed only after 120-130 hours. Loss of activity of the etching solution is accompanied by a marked shift of the electrode activity of the etching solution is accompanied by a marked shift of the electrode potential to the positive side. Study of the activity of an etching solution in a potential to the positive side. Study of the activity of an etching solution of Na₂SO₃ to the reducing medium, produced either with hydrogen or by addition of Na₂SO₃ to the solution, showed no difference from its activity in air. It was found that addition of small amounts of titanium chlorides (TiCl₃ or TiCl₄) significantly redistributes the activity of the etching solution. It is concluded that loss of activity is not the activity of the etching solution. Orig. art. has: 1 figure and 1 table

ASSOCIATION: Ural'skii gosudarstvennyi universitet (Ural State University)

SUBMITTED: 20Dec63

ENCL: 00

SUB CODE: GC, MM

NR REF SOV: 003

OTHER: 000

Card 2/2

Bifect of lead impurities on the corrosion resistance of electrolytic zinc. Zhur.prikl.khim. 33 no.7:1591-1594 J1 '60. (MHA 13:7)

1. Ural'skiy gosudarstvennyy universitet imeni Gor'kogo. (Zinc--Corrosion) (Lead)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

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Effect of surface-active agents on the dissolution rate of core metals in hydrochloric acid. Thur. Fig. Main. 3P no.F:1613-12819 de 'CA.

1. Brallskiy gesmiaratvennyy universitet isseni A.M. Gertkoge.
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05812 507/76-33-10-10/45

5(4) AUTHOR:

Titova, I. Ye.

TITLE:

On the Effect of the Addition of 8-Oxyquinoline on the Dissolution Rate of Iron and Aluminum in Hydrochloric Acid

PERIODICAL:

Zhurnal fizicheskoy khimii, 1959, Vol 33, Ar 10, pp 2173-2177

(USSR)

REPRESENTATION OF THE PROPERTY OF THE PROPERTY

ABSTRACT:

The students A. Rodionova and V. Ikonnikova participated in the present investigation. It dealt with the effect exerted by 8-oxyquinoline as inhibitor of the dissolution of iron and aluminum in hydrochloric acid. The experiments, which yielded unexpected results, were carried out at 18+1 C by the gravimetric method and the method of polarization curves (already described in reference 2). 0.51, 1.06, 1.69 and 2.28n HCl as well as various concentrations of 8-oxyquinoline additions between 0.0001 and 0.04 mol/1 were used. The additions of 8-oxyquinoline were found to have different effects. The dissolution rate of aluminum in hydrochloric acid rises, whereas that of iron drops. The stimulating and inhibiting effects depend on the concentration of the acid and the additions of 8-oxyquinoline (Fig 1). The strongest stimulating effect was found in dilute acid (0.51n HCl); it drops again

with rising acid concentration and changes to inhibition of

Card 1/2

05812

On the Effect of the Addition of 8-Oxyquinoline on the Dissolution Rate 507/76-33-10-10/45 of Iron and Aluminum in Hydrochloric Acid

aluminum dissolution in 2.28n HCl. The polarization curves (Figs 2, 3) show that the influence exerted by the additions upon the dissolution of aluminum and iron in HCl differs. In iron dissolution the cathodic and anodic processes are inhibited, while the cathodic process is inhibited in aluminum dissolution and the anodic process is stimulated. These observations are explained by the chemical properties of 8-oxyquinoline (such as its amphoteric nature) and the specific properties of the iron- and aluminum surfaces in hydrochloric acid (such as the different surface charge). There are 3 figures and 9 references, 8 of which are Soviet.

ASSOCIATION: Ural'skiy gosudarstvennyy universitet im. A. M. Gor'kogo,

(Ural State University imeni A. M. Gor'kiy, Sverdlovsk)

SUBMITTED: March 12, 1958

Card 2/2

S/080/60/033/007/022/024/XX D270/D304

AUTHORS:

Titova, I.Ye. and Khamaganova, T.

TITLE:

The effect of adding small amounts of lead on the

corrosion resistance of electrolytic zinc

PERIODICAL:

Zhurnal prikladnoy khimii, v. 33, no. 1, 1960, 1591-

1594

TEXT: This report was to fill a gap in literature by investigating how the addition of small amounts of lead affected the corrosion resistance of electrolytic zinc. Previous results had been contradictory. The present experiments were conducted in acid and alkali media since both zinc and lead are among those metals stable in neutral solutions, but not in acid or alkali solutions. Specimens were prepared from pure electrolytic zinc, mark Ts-0, with addition of from 0.08 to 1.35% by weight of lead, from zinc plus 0.94% lead, 0.2% aluminum and 0.44% tin and from pyrometallurgic zinc, mark Ts-4. Polarization curves were plotted and weight and volume measurements taken. The method was analagous to that of I.Ye. Titova

Card 1/3

S/080/60/033/007/022/024/XX D270/D304

The effect of adding...

Card 2/3

and G.I. Chufarov (Ref. 5: ZhFKh, 29, 502 (1955)). The specimens were previously cleansed of fat by a spirit-ether mixture, washed and dried. Temperature 18 ± 0.5°. Addition of from 0.08 to 1.35% by weight of lead increased corrosion resistance in solid media and, to a much greater extent, in alkaline media. Addition of 0.08% lead lowered considerably the speed of dissolution and this only rose slightly when the lead content exceeded 0.58%. Results by weight and by volume in acid media agreed but showed considerable discrepancy in alkali media. Thus the average dissolution speed in N KOH solution, calculated by weight, is $0.465 \cdot 10^{-6}$ g/cm²/min, and by volume $0.085 \cdot 10^{-6}$ g/cm²/min. This is because the corrosion speed depends not only on the kinetics of hydrogen production but also on the reduction of oxygen. Addition of 0.94% Pb + 0.2% Al + 0.44% Sn increased the corrosion speed under acid conditions and had no effect under alkaline conditions. Addition of 0.08% by weight of lead shifted the zinc potential in a positive direction but further addition of lead reversed this because hydrogen formation at the cathode slowed down, as polarization curves confirm. Cathode polarization of zinc increased with increase in lead content,

S/080/60/033/007/022/024/XX D270/D304

The effect of adding...

while anode polarization was almost unaffected. This increase in cathode polarization was less under alkaline conditions. Conclusions: 1) Corrosion resistance of electrolytic zinc was increased in acid and alkaline conditions by additions of from 0.08 to 1.35% by weight of lead; 2) The effect depends on the cathode formation of hydrogen and was greater in acid conditions; 3) A cutetic composition of Zn-Pb has the greatest corrosion resistance. There are 3 figures and 8 references: 7 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: Heinz Bablik, Galvaniging (Hot-Dip). 3d ed., London, W.C.2. 187 (1950).

ASSOCIATION: Ural'skiy gosudarstvennyy universitet imeni Gor'kogo

(Ural State University im. Gor!ky)

SUBMITTED: December 21, 1959

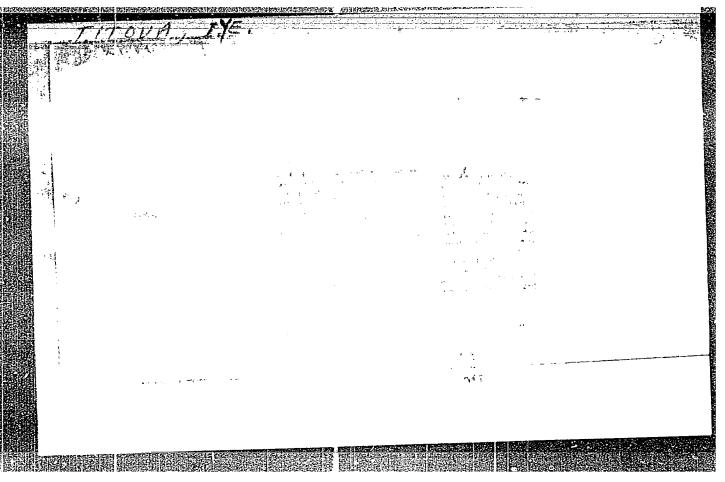
Card 3/3

Inhibiting effect of polyacrylamide in relation to iron and steel in a pickling solution. Zhur. prikl. khim. 34 no.5: 1052-1057 My '61. (MIRA 16:8)

(Acrylamide) (Iron-Pickling)

(Steel-Pickling)

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2



From abroad. Enim. prom. 42 co.9:775-769 3 165. (MDS 18:9)

TITOVA, K. N.; BERVAL'D, E. A.

PARTINI KAPATAN PARTINI PARTINI

Regulation of roach (Rutilus rutilus heckeli Nordm) fisheries in Proletarskaya Reservoir. Vop. ikht. 2 no.3:428-432 '62. (MIRA 15:10)

1. Nauchno-issledovatel skiy biologicheskiy institut Rostovskogona Donu gosudarstvennogo universiteta.

(Proletarskaya Reservoir-Roach(Fish))

TITOVA, K.N.

Ecological and morphological characteristics of roach in the Manych reservoir system. Nauch. dokl. vys. shkoly; biol. nauki no.3:39-43 '61. (MIRA 14:7)

1. Rekomendovana Nauchno-issledovatel'skim biologicheskim institutom Rostovskogo gosudarstvennogo universiteta. (MANYCH VALLEY--ROACH (FISH))

TITOVA, K.N.

Effect of ecologic conditions on the formation of the roach stock in Manych reservoirs. Vop. ekol. 5:220-221 '60. (MIRA 16:6)

1. Biologicheskiy institut Rostovskogo-na-Donu universiteta. (Manych River-Roach (Fish))

UR/0219/64/058/009/0062/0066 L 1599-66 ACCESSION NR: AP5024772 AUTHOR: Kolpakov, M. G.; Titova, K. T. TITIE: Effect of adrenal glands on the enzymatic activity of the blood and tissues SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 58, no. 9, 1964. TOPIC TAGS: hematology, endocrinology, blood, autotransplantation, gland, enzyme ABSTRACT: The aldolase and glutathione activity of the blood, cardiac muscle and liver of cats resuscitated after a fatal blood loss were studied. The cats were variously intact, adrenal-ectomized, and with autotrans-In resuscitation of intact animals, there was an increase of aldolase planted adrenals. in the blood and concomitant reduction in the liver but no observable change in the heart. Glutathione content increased in the blood and remained unchanged in the tissues. In dying and resuscitated adrenalectomized cats, the aldolase and glutathione activity of the blood remained unchanged. In the (ard 1/2)

L 1599-66

ACCESSION NR: AP5024772

animals with autotransplanted adrenals, the blood aldolase activity reached control levels during resuscitation while the glutathione content increased somewhat.

It is concluded that the results obtained are related to the varying degree of exclusion of the corticosteroid function resulting from adrenal ectomy and autotransplantation of the adrenals. The results also show the close relation of the course of enzymatic adaptive reactions to the functional state of the adrenal cortex, and indicate the advisability of investigating the possibility of using the stimulating effect of corticosteroid compounds on enzymatic transformations during resuscitation. Orig. art. has: 3 tables.

ASSOCIATION: Novokuznetskiy institut usovershenstvovaniya vrachey (Novokuznetsk Institute for the Advanced Training of Physicians)

SUBMITTED: 22Mar63

ENCL: 00

SUB CODE: LS

NR REF SOV: 018

OTHER: 007

JPRS

Card 2/2 DP

EWP(q)/EWT(m)/BDS AFFTC/ASD L 13509-63 3/0078/63/008/007/1579/1583 AP3003471 ACCESSION NR:

AUTHOR: Zinov'yev, A. A., Titova, K. V.

TITE: Some properties of trihydrate of lithium permanganate

SOURCE: Zhurnal neoganicheskoy khimii, v. 8, no. 7, 1579-1583

TOPIC TAGS: lithium, lithium permanganate, barium permanganate

ABSTRACT: The authors analyzed the properties of lithium permanganate because this has not been studied as much as some of the other permangenates of alkali metals. The lithium permanganate was obtained through a volumetric reaction of lithium sulfate and parium permanganate, which was prepared according to the somewhat-altered Mutman method (G. Brauer, Rukovodstvo po preparativnoy neorganicheskoy khimii, Izd. IL, Moscow, 1956). Authors established by thermographic method that trihydrate of lithium permanganate melts with a partial decomposition at 104-107° and decomposes violently at 200°. Data was obtained for the solubility in the system LiMnO sub 4-H sub 2 0 in a temperature interval from -12.5 to +100°. A composition containing 22.3% LiMnO sub 4 and temperature of -12.5° corresponds to the eutectic point. It was shown that lithium permanganate evolves into the solid phase in the form of a trihydrate in all of the examined temperature intervals. The solubility in the system LiMnO sub 4-LiC1O sub 4-H Card 1/2

L 13509-63

ASSESSION NR: AP3003471

sub 2 0 was studied at 0°. The existence of solid solutions of trihydrate of lithium permanganate the lithium peroxide was confirmed. It was also shown that solid solutions in this system exist in all ranges of concentration. Orig. art.

ASSOCIATION: None

SUBMITTED: C2Nov62

DATE ACQ: 02Aug 63

ENCL: 00

SUB CODE: CH,EL

NO REF SOV: 002

OTHER: 006

Card 2/2

TITOVA, K.V., ROSOLOVSKIY, V.Ya.

System guanidinium perchlorate-lithium perchlorate. Zhur. neorg. khim. 10 no.2:451-453 F '65. (MIRA 18:11)

1. Institut obshehey i neorganicheskoy khimii imeni Kurnakova AN SSSR, laboratoriya okisliteley. Submitted Febr. 29, 1964.

KRIVTSOV, N.V.; TITOVA, K.V.; ROSOLOVSKIY, V.Ya.

Enthalpy of the formation of guantdinium perchlorate, nitrate, and sulfate. Zhur, neorg. khim. 10 no.2:454-457 F 165.

(MIRA 18:11)

1. Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR, laborstoriya okisliteley. Submitted Febr. 29, 1964.

TITOVA, K.V.; ROSOLOVSKIY, V.Ya.

Some physicochemical properties of guanidinium perchlorate. Zhur, neorg, khim, 10 no.23446-450 F 165. (MIRA 18:11)

Institut obshchey i neorganicheskoy khimii imeni Kurnakova AN SSSR, laboratoriya okisliteley. Submitted Febr. 29, 1964.

"APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2 ASSISTANTING BEING BEING BEING SERVING MENNEN DER AUS STEINE BEING SEINE SEINE BEING BEING SEINE AUS.

OBOLENTSEV, R.D.; AYVAZOV, B.V.; TITOVA, K.V.

Comparative characteristics of various silica gel samples based on their relations to sulfur organic compounds contained in some fuels. Khim-sera-i azotorg-soed-sed-v neft-i nefteprod. 3:211-217 160. (MIRA 14:6)

1. Bashkirskiy filial AN SSSR, Otdel khimii.
(Silica) (Adsorption) (Sulfur organic compounds)

OBOLENTSEV, R.D.; AYVAZOV, B.V.; TITOVA, K.V.

Role of elementary sulfur in the formation of hydrogen sulfide during the heating of curde pils. Khim.sera-i azotor; seed.sod.v neft. i nefteprod. 3:253-259 *60.

l. Bashkirskiy filial AN SSSR, Otdel khimii.
(Petroleum—Thermal properties) (Hydrogen sulfide)
(Sulfur)

ZINOV'YEV, A.A.; TITOVA, K.V.

Some properties of lithium permanganate trihydrate. Zhur.

neorg. khim. 8 no.7:1570-1583 Jl '63. (MIRA 16:7)

(Lithium permanganate)

5 0078 650010 (02 0448 04 9) ACCESSION NR: AP5005011 AUTHOR: Titova, K. V.; Rosolovskiy, V. Ya. TITLE: Certain physical-chemical properties of guanidinium perchlorate SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 2, 1965, 446-450 TOPIC TAGS: guanidinium perchlorate, crystal structure, solubility, thermal stability, polymorphic transition ABSTRACT The pressure from the control of grandmism perchlorate (I) were studied. The longs to the (M, \mathbb{R}^n) beginning to a parameter (M, \mathbb{R}^n) were 0.05 kKh. I does not form hydrates. Its solubility in water increases with temperatine of is soluble in polar organics discuss and insoluble in the non-polar solwents. Thermography stationed to the property of consumer at 1310° L melts at 248 ± 2C. Sl. wide only street at the property of the first property terms of the composition occurs at 3920. The properties of Leomagne with these of the perchlorates of ammonium and alkali inetals. Originart has 5 tables, 3 figures Cord 1/2

L 36696-65
ACCESSION NR: AP5005011
and 2 equations

ASSOCIATION: Institut obshchey i neorganicheskoy khimii im. N. S. Kurnakova Akademti nauk SSSR Laboratoriya okisliteley (Institute of General and Inorganic Chemistry Arademy of Some militar and moderning Agents)

SUBMITTED 20her64

NR REF SOV: 002

OTHER: 007

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| AUTHOR. Titova, K. V.; Rosolovskiy, V. | ur regionate system |
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| TOPIC TAGS: guanidinium percatorate containing system, phase diagram crysta | Illization, hygroscopicity, guantomium |
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| hygroscopicity of the guanidi ed that of nthium perchlorate | nium perchlorate-lithi e. Orig art has 4 fi | um percologate melts approach- gures and 2 tables |
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SOURCE CODE: UR/0078/66/011/012/2819/2820 ACC NR. AP7002819 AUTHOR: Rosolovskiy, V. Ya.; Titova, K. V. ORG: Oxidizer Laboratory, Institute of General and Inorganic Chemistry im. N. S. Kurnakov, Academy of Sciences (Institut obshchey i neorganicheskoy khimii Akademii nauk, Laboratoriya okisliteley) TITLE: Nitroguanidinium perchlorate SOURCE: Zhurnal neorganicheskoy khimii, v. 11, no. 12, 1966, 2819-2820 TOPIC TAGS: nitroguanidinium perchlorate, chemical synthesis, mitro-Fund to the percharate property GUANIDING, PERCHLORATE, PERCHLORIC ACID ABSTRACT: Nitroguanidinium perchlorate (NGPC) was prepared by dissolving to saturation nitroguanidine in warm 72% perchloric acid. Cooling of the solution yielded colorless hygroscopic NGPC crystals. NGPC has a density of 1.93 ± 0.05 g/cm3, is stable at room temperature in dry air, is soluble in polar organic solvents, and is hydrolized by water, methyl- or ethyl alcohol, and dioxan. The interplanar spacings and relative line intensities of x-ray patterns of NGPC powder are given in the table. The heating curve of NGPC recorded at a heating rate of 3 deg/min, exhibits an endothermic effect at 75-80C, probably due to the polymorphic transformation of NGPC, and an exothermic effect at UDC: 547.495.9'117.3'113.7.04 Card 1/3

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1200 due to simultaneous melting and decomposition of the substance.

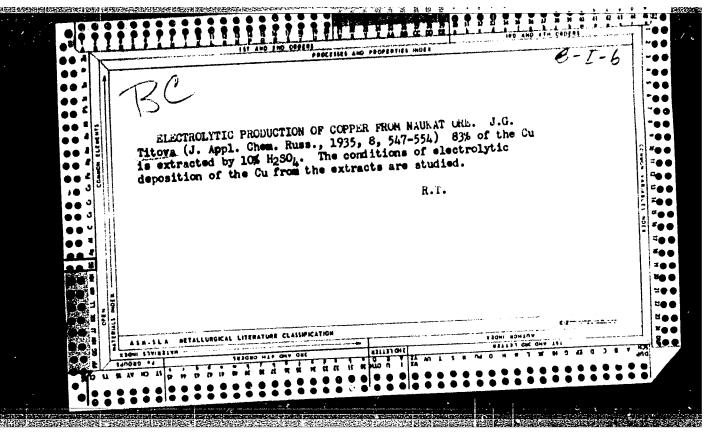
$$NH-NO_3$$
 $2C=NH\cdot HClO_4 \rightarrow CN_3H_6ClO_4 + NH_4ClO_4 + CO_3 + NO_4 + ^3/_3N_3$
 NH_3

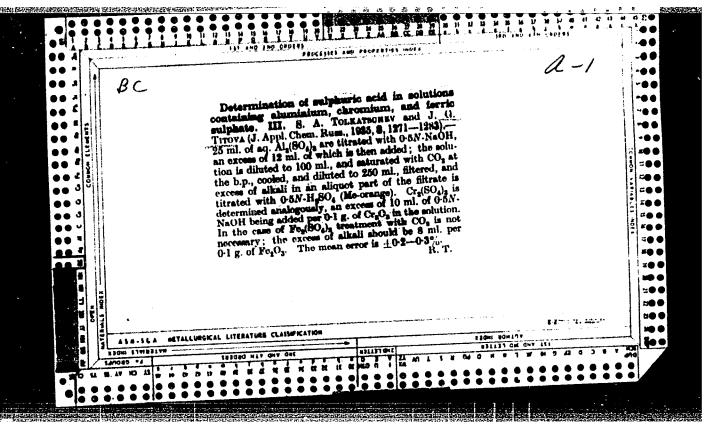
Anhydrous perchloric acid dissolves 48.1% of NGPC at 25C. The solid phase in equilibrium with the saturated solution is an addition product of one molecule of perchloric acid to NGPC. This addition product is, probably, "nitroguanidinium diperchlorate." It can be isolated in the form of colorless hygroscopic crystals which are stable at room temperature, but which decompose in vacuum to form perchloric acid and NGPC. The substance melts incongruently on heating to 70C in a closed vessel. Orig. art. has: 1 table.

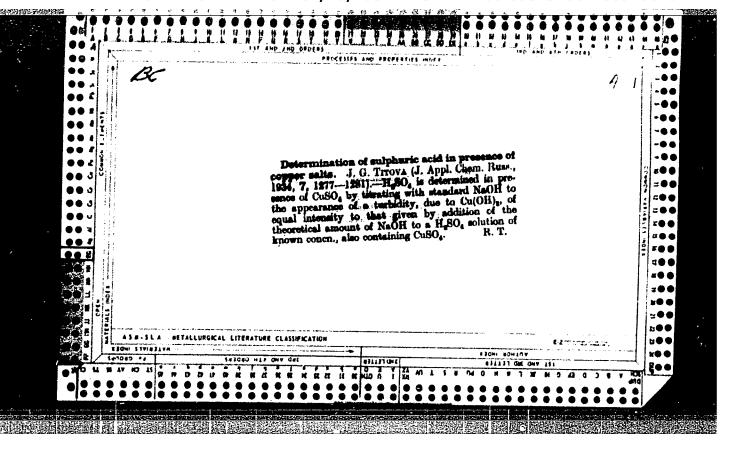
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Card 2/3

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"







TITOVA, L.A.; KASHIRSKAYA, M.M.; MOSKALENKO, L.S.; KUDIMOVA, A.T.

Method for determining pregnanediol and estrogens in the urine.

Lab. delo 8 no.4:26-27 Ap '62.

(PREGNANYDIOL)

(URINE—ANALYSIS AND PATHOLOGY)

(URINE—ANALYSIS AND PATHOLOGY)

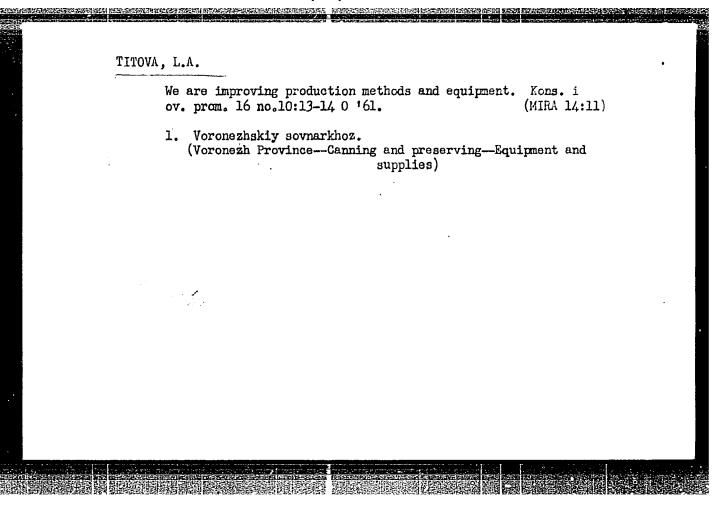
TITOVA, L.A.; KASHIRSKAYA, M.M.; MOSKALENKO, L.S.; KUDIMOVA, A.T.

Improved support stand for the shaking apparatus for test tubes

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and flasks. Lab.delo 7 no.9:58-59 S '61.
(LABORATORIES - APPARATUS AND SUPPLIES)

(MIRA 14:10)



FEDENEV, G.S., kand.tekhn.nauk; ROL'SHCHIKOV, Ye.P., inzh.; MITYUSHEV, S.I., dotsent; OL'KHOVOY, A.I., inzh.; TITOVA, LA., inzh.; KUTYYEV, G.M., inzh.; TREGUBOV, G.G., inzh.; ASHUKIN, D.D., kand.tekhn.nauk, retsenzent; MAKSIMOVICH, B.M., kand.tekhn.nauk, retsenzent; PETROVA, V.L., inzh., red.; VASIL'YEVA, N.N., tekhn.red.

[Mechanization and automation of information and accounting work in railroad sections] Mekhanizatsiia i avtomatizatsiia informatsionno-uchetnoi raboty na otdeleniiakh zheleznykh dorog. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va soobshcheniia, 1962. 159 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.240). (MIRA 16:2)

(Railroads—Management) (Electronic computers)

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

TERENT'YEV. A.P.; GRACHEVA, R.A.; TITOVA, L.F.; DEDENKO, T.F.

New method for the production of optically active aspartic acid. Dokl. AN SSSR 154 no.6:1406-1408 F '64. (MIRA 17:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. 2. Chlen-korrespondent AN SSSR (for Terent'yev).

TERENT'YEVA, A.P.; GRACHEVA, R.A.; TITOVA, L.F.

Synthesis of carboxylic acids through furan derivatives. Part 8: Cleavage of $\propto -(2-\text{furyl})$ ethylamine and preparation of optically active benzoylalanine. Zhur.ob.khim. 34 no.2:513-515 F '64. (MIRA 17:3)

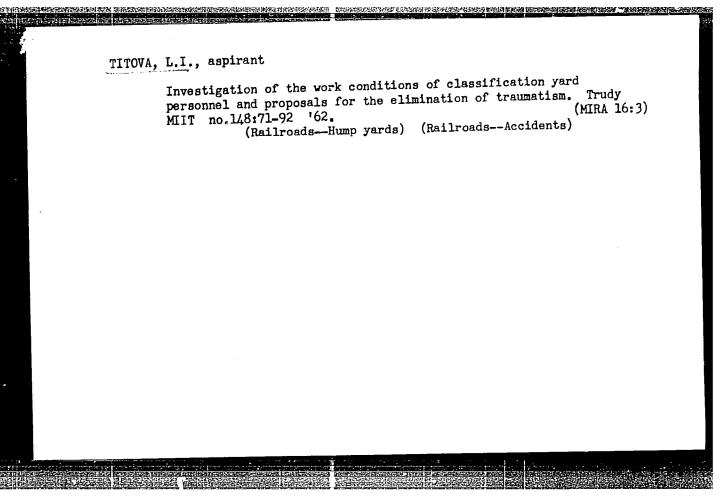
1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

TERENT'YEV, A.P.; GRACHEVA, R.A.; TITOVA, L.F.; KAZBULATOVA, N.A.

Spectropolarimetric study of Schiff's bases in the furan series.

Dokl. AN SSSR 152 no.6:1373-1375 0 '63. (MIRA 16:11)

- 1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
- 2. Chlen-korrespondent AN SSSR (for Terent'yev).



TITOVA, L.I. (Moscow)

"On the calculation of slope stability in a multilayered loose medium according to the theory of limit equilibrium"

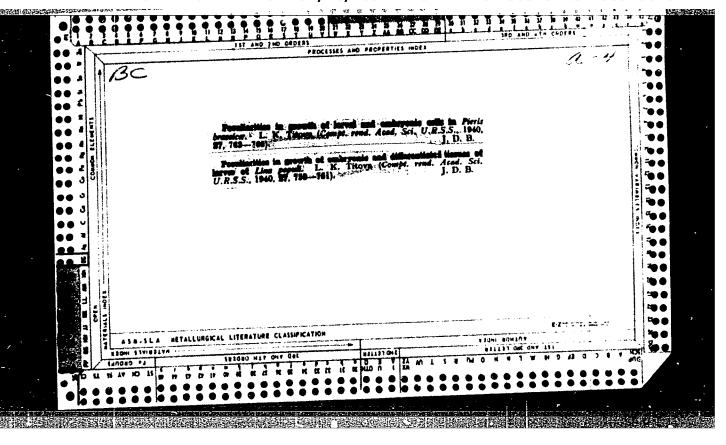
Report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow 29 Jan - 5 Feb 64.

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

VINNIKOV, Ya.A.; GAZENKO, O.G.; TITOVA, L.K.; BRONSHTEYN, A.A.

Morphological and histochemical studies on the labyrinth of animals under conditions of a changed gravitational field. Izv. AN SSSR Ser. biol. no.2:222-231 Mr-Ap '63. (MIRA 17:5)

1. Institut evolyutsionnoy fiziologii imeni Sechenova AN SSSR.



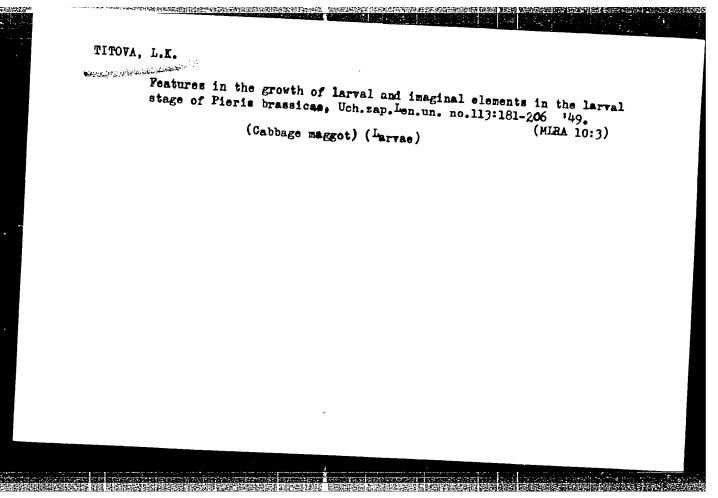
TITOVA, L. K.

35236

AUDU INSTAL

Osobennosti Rosta Larval'nykh i Imaginal'nykh Elementov v Lichinochnov staril Razvitiya Piepis Brassicae. Chen. Zapiski (Leningr. Gos. UniT im. zhana) Seriya Biol. Nauk. Vyp. 20, 1949, S. 181-206.—Pibliogr: S. 205-06

SO: Letopis 'Zhurnal 'nykh Stately Vol. 34, Maskva, 1949



TITOVA, L.K. -- "Development of the Olfactory Organs." Cand Biol Sci, Acad Med. Sci USSP, 4 Feb 54. (Vechernyaya Moskva, 22 Jan 54)

S0: SUM 168, 22 July 1954

USSR/General Biology - Individual Development.

B-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, 28528

Author

: Vinnikov, Ya.A., Titova, L.K.

Inst

Title

: Development of Sensory Organs in Vertebrates.

Orig Pub

: Probl. sovrem. embriologii. L., Un-t, 1956, 89-96

Abstract

: Review of the role of contacting and synaptic bonds in

development of sensory organs.

Card 1/1

Development of olfactory organs in fishes and amphibians. Dokl.AM SSSR 107 no.5:749-751 Ap '56. (MIRA 9:8) 1. Predstavleno akademikom I.I. Shmal'gauzenom. (Olfactory nerve) (Sense organs--Fishes)

THE REPORT OF THE PARTY HAVE BEEN THE PARTY OF THE PARTY

USSR/Human and Amimal Morphology - Normal and Pathological. Sense Organs.

: Ref Zhur Biol., No 11, 1958, 50409 Abs Jour

: Titova, L.K. Author

: Academy of Sciences of USSR Inst

: Development of Jacobson's Organ in Man Title

: Dokl. AN SSSR, 1956, 107, No 6, 895-896 Orig Pub

: On the basis of the study of human embryos at the age Abstract

from 4 weeks of intra-uterine life until birth, a brief description of the development of Jacobson's organ (JO) is given. JO appears at the end of the 4th and in the beginning of the 5th week of embryogenesis in the form of a sulcus in the lower part of the masal septum. At the age of 2 months JO has the form of two marrow, long, blind sacs situated in the thick of the masal septum,

Card 1/2

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CIA-RDP86-00513R001755910010-2" APPROVED FOR RELEASE: 07/16/2001

USSR/Human and Animal Morphology - Normal and Pathological: Sense Organs.

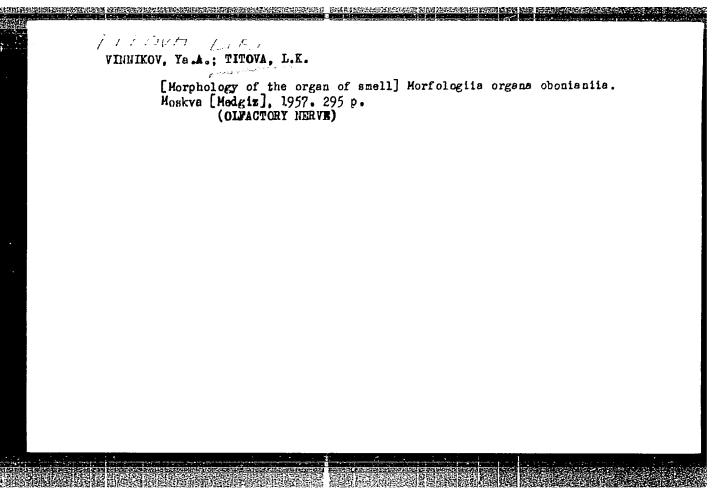
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Abs Jour

: Ref Zhur Biol., No 11, 1958, 50409

at its base. The lining of Jo is completely identical with such a masal cavity and the processes of differentiation of one and the other completely coincide in time. JO is innervated by a branch of the trigeninal nerve. Atresia of JO usually occurs still before the moment of birth.

Card 2/2



TENERAL DE L'ANTINE DE L'ANTIN ITELA, LIKE VINNIKOV, Ya.A.; TITOVA, L.K. Presence and distribution of acid phosphatase in the organ of Corti in animals kept in relative quiet and in animals exposed to noise [with summary in English]. Biul.eksp.biol. i med. 44 no.10:60-63 0 157. (MIRA 11:2) 1. Iz instituta evolyutsionnoy fiziologii imeni I.M.Sechenova (dir. - akademik L.A.Orbeli) Akademii nauk SSSR, Leningrad. Predstavlena akademikom L.A.Orbeli) (LARYRINTH, metabolism, Corti's organ acid phosphatase in animals, eff. of noise) (PHOSPHATASES, acid, in Corti's organ, eff. of noise in animals) (NOISE, effects, on Gorti's organ acid phosphatases in animals (Rus))

AUTHORS: Vinnikov, Ya. A., Titova, L. K.

20-2-46/50

TITLE:

In Vivo Observations on an Isolated Organ of Corti Under Usual Conditions and Under Application of Sound Stimuli (Prizhiznennyye issledovaniya nad izolirovannym Kortiyevym organom v obychnykh usloviyakh i pri zvukovom vozdeystvii)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 2, pp. 327-330 (USSR)

ABSTRACT:

The cochleae of guinea-pigs, small cats, and rabbits served as experimental objects. Beside the control which was not stimulated by sound the authors exposed only the isolated organ in a series of experiments to a sound stimulation (1500 or 300 c, 95 db) of the duration of one hour and in a second series of a duration of 1-3 hours. After killing the experimental animals the sound stimulation was continued in the thermostate 1/2-1 hour at 370. The isolated cochleae were given into a Ringer's solution without soda at 37°. The cochleae, in most cases left ones, were conserved as control; the right ones coloured in vivo with neutral red. The investigation was carried out under magnification by a magnifier. For the microscopic and phase-contrast-investigation the cochlea was dissected in windings which were cut off subsequently and put in physiological solution on the object carrier. The pictures observed here are described. The sound stimulation with high and low frequencies did not change these pictures, only in the case that an

Card 1/3

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

In Vivo Observations on an Isolated Organ of Corti Under Usual Conditions andUnder Application of Sound Stimule.

unimportant diffuse colouring of the fundamental substance of the basilamembrane is indicated. The membrane reacts, however, to the slightest touch often with a characteristic wave-like vibration. The Corti organ is then described in detail with the picture of the in vivo colouring. Under the action of the sound stimulus the picture changes rapidly, independently of the fact whether the action on theanimal took place before or after the extirpation or in both cases. On the level of the lower and partly also of the middle winding in many exterior hair cells swellings and vacuolization of the cytoplasm or, in contrast, core compressions at sound stimulation of high frequency are observed. In the case of longer action the cells become ball-like. Single cells can fall out of the total mosaic of the organ. The inner hair cells become similar, but changed to a smaller extent. Analogous alterations occur with different variations in the upper winding of the cochlea in the case of action of low frequencies. The Corti organ shows a viability in isolated state. Withoud sound action a very characteristic rosette- or bunch-like granule depositing occurs in the exterior and inner hair cells, strictly in their apical part. Under the influence of high frequency sound stimulus the granule depositing is changed or stopped, especially within the range of the lower and middle winding. The granules become greater.

Card 2/3

In Vivo Observations on an Isolated Organ of Corti Under Usual 20-2-46/50 Conditions and Under Application of Sound Stimule.

> Also in the exterior hair cells the granule formation is increased and their size and number increases rapidly. High and low frequencies increase the granule formation to a certain extent also in the Deuters cells and in the exterior as well as in the inner columns. Phalanges remain, as a rule, uncoloured. In the neurons of the spiral ganglion a similar increase of the granule formation under the influence of the sound stimulus can be detected. The above mentioned cyto- and histophysiological observations facilitate to detect to a certain degree the specific reaction of the hair cells to the sound stimulation which differs from that of other objects. The reaction of the secells to sound of high or low frequency corresponds more or less to their position in the Corti organ, i.e. on the level of the upper or lower winding. There are 5 references 2 of which are Slavic.

ASSOCIATION:

Institute for Evolutionary Physiology imeni I.M.Sechenov AN USSR (Institut evolyutsionnoy fiziologii im.I.M.Sechenova AN SSSR)

PRESENTED:

June 3, 1957 by L.A. Orbeli, Academician

SUBMITTED:

May 26, 1957 AVAILABLE:

Library of Congress Card 3/3

TITOVA, LIK.

20-5-48/48

AUTHORS:

Vinnikov, Ya. A. and Titova, L. K.

TITLE:

Presence and Distribution of Glycogen in the Organ of Corti at Relative Rest and Under Application of Sound Stimuli (Kalichiye i raspredeleniye glikogena v kortiyevom organe vo vremya otnositel'anogo pokoya i v usloviyakh zvukovogo vozdeystviya)

PERIODICAL:

Doklady AN SSSR, 1957, Vol. 116, Nr 5, pp. 892 - 895 (USSR)

ABSTRACT:

The histochemical investigation of the Corti organ showed in its elements an unusual high content of gylcogen (references 4 and 5). Its character and the distribution was changed hereby according to the circumstance whether the experimental animal was in a state of relative rest or of a functional stress. The authors carried out three series of experiments: Series I - the experimental animals (guinea pigs, rabbits, and young cats) were in the state of relative rest. The glycogen distirbution was here, according to the kind of experimental animal, different. In the case of guinea pigs the glycogen is concentrated only in the exterior hair cells of the entire Corti organ in all labyrinth ducts. It lacks in the inner hair cells. One succeeds to observe the neurons of the spinal ganglia in total preparations, which correspond to the single la-

Card 1/4

20-5-48/48

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Presence and Distribution of Glycogen in the Organ of Corti at Relative Rest and Under Application of Sound Stimuli

byrinth ducts. Here single glycogen granulas are found in it. In the case of rabbits the glycogen granulae are in the inner hair--cells, in contrast to the guinea pigs. In general the total picture correpsonds to that of the guinea pigs. In the case of young cats as well as in the case of guinea pigs the glycogen lacks in the inner hair cells. Series II - the animals were exposed to a high sound frequency (1500 gts, 95 db). In the case of all experimental animals the content and the distribution character of the glycogen changed. After an action of 1 hour it was found in the exterior hair cells which lie in the hind and partly central arch that the glycogen of the excited hair cells loses here its granular shape and becomes a diffuse shape (figure 2). The concentration of the diffuse glycogen increases in the direction of the basal pole and rises here rapidly. Thus the presence of the apicobasel gradient in the distribution and the concentration of the glycogen in the excited exterior hair cells can be found. Simultaneously also a general radial gradient of the increase of the concentration of the apico-basal gradient of the distribution of the gylcogen exists, beside the last mentioned. However, the general concentration of the glycogen in the hair cells of rabbits and

Card 2/4

APPROVED FOR RELEASE: 07/16/2001 CIA-RDP86-00513R001755910010-2"

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Presence and Distribution of Glycogen in the Organ of Corti at Relative Rest and

young cats is inferior to that of guinea pigs to a considerable extent. Analogous alterations were also observed in the IIIrd experimental series, when the experimental animals were exposed to a low sound frequency (300 gts, 95 db). However, in contrast to the second series the alterations in the hair cells were observed only in the range of the upper and partly central arch. Thus the experiments carried out show clear alterations in the character and in the distribution of the glycogen in the exterior hair cells of the Corti organ, in the state of a relative rest as well as in the state of excitation by the action of sound stimuli. The excitation of the hair cells is connected on the one hand with the frequency of the sound waves and on the other hand with their position in the one or other arch of the labyrinth. The consumption (probably by means of the glycogenolysis) and the resynthesis of the glycogen take place parallely with it. There is nor reason to doubt that the glycogen is subjected to analogous alterations and plays the same role in the Corti organ, in the lever, in the muscles, in the nervous system, and in the retina (references 2, 3, 6 - 11). There are 2 figures, 11 references, 6 of which are Slavic.

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Presence and Distribution of Glycogen in the Organ of Corti at Relative Rest and ASSOCIATION:

Institute for Evolutionary Physiology imeni I. M. Sechenov, AN USSR (Institut evolyutsionnoy fiziologii im. I. M. Sechenova Akademii

PRESENTED: June 3, 1957, by L. A. Orbeli, Academician

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THE PROPERTY OF THE PROPERTY O た. 尽. VINNIKOV, Ya.A., TITOVA, L.K. Presence and distribution of alkaline phosphatase in the ergan of Corti in animals during comparative quient and following sound stimulation [with summary in English]. Biul.eksp.biol. i med. (MIRA 11:5) 45 no.3:101-106 Mr'58 1. Iz Instituta evolyutsionnoy fiziologii imenii I.M. Sechenova (dir. - akademik L.A. Orbeli) Akademii nauk SSSR, Leningrad. Predstavlena akademikom L.A. Orbeli. (LABYRINTH, metabolism, Corti's organ alkaline phosphatase, eff. of sound stimulation (Rus)) (PHOSPHATASES, alkaline in Corti's organ, eff. of sound stimulation (Rus)) (NOISE, effects, on Corti's organ alkaline phosphatase (Rus))

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TITOVA, LK.

VINNIKOV, Ya. A., TITOVA, L.K.

Distribution of nucleic acids in the hair cells of the organ of Corti in animals during relative rest and during sound stimulation [with summary in English]. Biul.eksp.biol. i med. 45 no.4:73-78
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(MIRA 11:5)

1. Iz Instituta evolyutsionnoy fiziologii imeni I.M. Sechenova (dir. - akademik L.A. Orbeli), Leningrad. Predstavlena akademikom L.A. Orbeli.

(LABYRINTH, metabolism
nucleic acid distribution in hair cells of organ of
Corti during rest & during sound stimulation (Rus))
(NUCLEIC ACIDS, metabolism
distribution in hair cells of organ of Corti during
rest & during sound stimulation (Rus))

AUTHORS: Vinnikov, Ya. A., Titova, L. K. 20-119-1-45/52

TITLE: The Occurrence and the Distribution of Specific Acetyl--Cholinesterase in the Cortian Organ of Animals in a

State of Relative Reat and Under Conditions of Sonie Stimuli (Nalichiye i raspredeleniye spetsificheskoy atsetilkholinesterazy v kortiyevom organe zhivotnykh, nakhodyashchikhsya v sostoyanii otnositel'nogo pokoya i

v usloviyakh zvukovogo vozdeystviya)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 1,

pp. 164-167 (USSR)

ACSTRICT:

After the authors had determined that the endogenous energetic substratum of the Cortian organ is glycogen (Reference 1) in the splitting of which and resynthesis non specific enzymes participate (alkaline and acid phose

phatase, References 2,3) it was natural to begin with the investigation of the cholinergic structures of this organ. The data referring to this are scarce and uncertain (References 4-6). A survey of the present stand of this problem

in publications (References 7-19) is given. The participa-

card 1/4 carbohydrate metabolism in the synthesis of